Daily Chemical Quality Control Report (DCQCR)
6-2-03, Monday

- Mobilize to site. No Sampling.

Daily Chemical Quality Control Report (DCQCR)
6-3-03, Tuesday

- Overcast with light to heavy rain. High temperature approximately 61 degrees Fahrenheit.
- Initial safety briefing at site at approximately 10:00 pm – pre planning CQC phase.
- Everyone observed sampling procedures at 1-a, 1-b and 1-c as initial CQC phase.
- Observed anomaly in probe rod – hammered in rather than direct push – discussed with whole crew – Manual push-retreat-push probe rod to refusal or 15', whichever is less.
- Follow-up CQC phase.
- Completed sampling in transects 1, 2 and 3.
- Less than 50% of planned samples procured – discussed with crew leaders need to push extra tubes if necessary.
- Problem downloading PDA data from laptop over telephone to Southfield office.
- Excerpt from Sample Table (SAP - Table B-2) attached to depict actual samples collected relative to planned samples

Daily Chemical Quality Control Report (DCQCR)
6-4-03, Wednesday

- Overcast light drizzle with high temperature of 65 degrees Fahrenheit.
- Conducted tailgate safety briefing at start of day. No reported incident of any accident. Reiterated need to keep level D splash protection on.
- Conducted summary briefing of 1st day sampling. Reiterated need to get adequate sample volume and to push additional tubes as needed.
- Completed sampling in transects 4 thru 13. Very little recoverable sediment in North River Road Dam Pool either rock bottom to dense sand and gravel bottom throughout pool. Shale outcrops visible on right bank in many places throughout North River Road Dam Pool.
- Summary of actual samples procured attached.
- 1st shipment of coolers to GPL.
- No river sediment for geotech composite 6-d to f- IN.

Daily Chemical Quality Control Report (DCQCR)
6-5-03, Thursday

- Overcast with light drizzle. High temperature approximately 63 degrees Fahrenheit.
- Gate locked – unbolted to gain access. Property owner came near end of day and said he left key with Rex Funge of City Girard – Mr. Funge gone by the time we went to City Hall. Scheduled 6-6-03 arrival at gate for 8:45 am based on Mr. Fungi's arrival by 8:30 am at City Hall.
- Transect 51- expected soft sediment in river upstream of dam, but found dense sand gravel bottom through entire transect. Probe refusal within 2 to 3 inches across river. Only river sample was 51-f-1, which was located within 20 feet of right bank – boring 51-g.
- Completed transects 45 thru 51 and 43.
- Very good recovery at all chemical and geotechnical borings – all transects.
- 3 coolers shipped to GPL.
- Biggest issue is lack of recoverable sediment from river in nearly all locations. Will discuss issue with Patience Nwanna and Rose Reilly on morning of 6-6-03.
- Scott Strigel and Ward Mitchell departed.

Daily Chemical Quality Control Report (DCQCR)
6-6-03, Friday

- Mostly sunny with high temperature of 75 degrees Fahrenheit.
- Met Rex Fungi at City Hall in Girard. He had given gate key to Eastgate Regional Council of Governments. Rex Funge delivered key to site at noon.
- Completed transects 39, 40, 41, 42 and 44
- River sediment in all transects is dense, dark grey to black, sandy gravel to gravelly sand. Probe rod penetration less than one foot at all locations and very little recovery.
- At end of day attempted new technique to obtain larger quantities – enough for chemical and geotechnical analyses.
    - Technique – Secure cap to top of Lexan tube and manually advance as deep as possible into sediment (typically max penetration < 1'), then remove cap. Removal of the seal creates vacuum that sucks sediment up the tube. In one try, probe refusal was less than 1-foot. Deeper the water the better the method works. Even collects gravel.

Daily Chemical Quality Control Report (DCQCR)
6-7-03, Saturday

- Rain early – High temp 65 degrees Fahrenheit.
- Arrived at Liberty Street Dan at noon and worked until 5 pm.
- Completed transects 35, 36, 37 and 38.
- River sediment recovery remains limited due to coarse nature of substrate. Continue to methodically probe across entire transect to try and find best location to attempt soil cores.
- No other safety or technical issues.

Daily Chemical Quality Control Report (DCQCR)
6-8-03, Sunday

- Mobilized to landing downstream of Warren Main Street Bridge at 8:00 am to access transects in upstream end of Girard Liberty Street Dam Pool.
- Completed transects 30, 31, 32, 33, and 34.
- At transects 33, observational river boring d, fine grained sediment encountered. Due to limited recovery at most other locations, assigned samples 33-d-1, 33-d-2 and 3-d-3 for lab analyses for all parameters TRPH, PAH, Pesticides, PCBs, Herbicides, and metals.
- Unable to recover sufficient material for radioisotopes at transects 34 and 32.
- No other issues.

Daily Chemical Quality Control Report (DCQCR)
6-9-03, Monday

- Completed transects 27, 28 and 29 in Girard Liberty Street Dam Pool and transect 18 in Warren Summit Street Dam Pool.
- Discussions with CELRP, Rose Reilly, Patience Nwanna and Carmen Rozzi in regards to the Field Sampling Plan and procedures to procure samples for each soil horizon, collection of duplicate samples, and compliance with scope of work.
- Indicated sampling being conducted as described in FSP and that samples are judged to be representative of each distinct soil horizon. FSP acknowledges potential issue with duplicate samples and composite samples.
- Resolution was Rose Reilly and Patience Nwanna to observe field sampling procedures on 6-10-03 and all composite samples and duplicates to be procured from two separate cores at each location.

Daily Chemical Quality Control Report (DCQCR)
6-10-03, Tuesday

- Partly cloudy. High temperature of 80 degrees Fahrenheit.
- Completed transects 14,15,16,17,18 and 19.
- CELRP representatives visited site to observe sampling methods and to address issues in the Sampling and Analysis Plan.
    - Results of observational sampling procedures
        1) Greater care needed to differentiate and recover upper horizon of river sediment. Recent (20 years) deposition of cleaner material over older sediment exposed to historic releases of contaminants – Must determine thickness (as little as one inch) and recover only this material for lab analyses to evaluate rate of natural attenuation of contamination.
        2) Must recover discrete sample for each distinct soil horizon at each core location for lab transects.
        3) Each field duplicate requires a separate core.
        4) Each core needs to be advanced to refusal depth indicated by manual probing, and recovery closely monitored to assure collection of bottom samples that will be used to access conditions if overlying sediments removed, ie dredging.
        5) Also need to use metal pipe if needed to achieve recovery to refusal depth.
        6) Resample at locations where recovery to probe refusal depth not achieved in core using metal pipe to assure adequate depth of penetration.

        Resolution:
        Altech will attempt to conduct all required resampling during the 2nd field sampling episode and shall return or stay longer, as needed, to assure proper collection of samples at each horizon to support comprehensive sediment characterization and achievement of project objectives. Shall not exceed project budget.

    - SAP Issues
        1) Advance as many cores at each location as needed to obtain representative samples of each soil horizon at each core scheduled for collection of samples for chemical analyses.
        2) Remove the word toxic from document.
        3) Fix Table Numbering.
        4) Table – “Summary of Project Specific Data Quality Objectives” – insert laboratory SOP limits of accuracy and precision of TRPH and herbicide analyses.
        5) Revise sections 3.8 to 3.11 to match acceptable example provided.
        6) Revise other sections as specified.

        Resolution:
        - SAP text to be revised as specified and resubmit electronically by c.o.b. Friday June 13.
        - Resample all Field Duplicates that were not obtained through separate core.
        - Examine exploration records and resample at locations where upper horizon not adequately differentiated.

Daily Chemical Quality Control Report (DCQCR)
6-11-03, Wednesday

- Overcast w/ light drizzle to rain. High temperature of 73 degrees Fahrenheit.
- Follow-up QC - Explained concerns of CELRP from previous day site visit. Emphasized need to complete physical examination of entire core sample as basis for selection of intervals for chemical analysis samples - discrete sample from within each distinct soil horizon even if only 1-2 inches thick for as many soil horizons distinguishable within each core. Reiterated CELRP direction to advance and collect double and/or triple cores wherever composite (TCLP or Radioisotopes) samples for chemical analysis are needed in addition to discrete samples.
- Tailgate safety meeting - discussed need to maintain splash protection.
- Completed transects 20, 21, 25, and 26.
- Partial Altech personnel demobilization on Wednesday evening.

Daily Chemical Quality Control Report (DCQCR)
6-12-03, Thursday

- Overcast w/ early morning rain, high temp 76° F
- No sampling.
- Met w/ Bob of CASTLO to arrange for temporary location to store boats and sampling equipment during next sampling episode.
    - Coleman crews and Altech Saffran return from 1st sampling episode.

Daily Chemical Quality Control Report (DCQCR)
6-17-03, Tuesday

- Overcast w/ afternoon drizzle, high temp 76° F
- Remobilization for second sampling episode.
- No sampling.

Daily Chemical Quality Control Report (DCQCR)

6-18-03, Wednesday

- Partly cloudy. High temperature of 73 degrees Fahrenheit.
- Met with Altech geologists to distribute, review and discuss changes in Final SAP - emphasized copious documentation of subsurface conditions at all borings and criteria for selection of sample locations for chemical analyses.
- Distributed revised Tables B-1 and B-2 to each geologist for use in field - new tables reflecting requested late changes not included in SAP Tables B-1 and B-2 used during 1st sampling episode.
- Morning Tailgate safety meeting with complete crews to discuss safety issues and reiterate sampling procedures.
- Emphasized use of metal sampling equipment (MacroCore or other) if Lexan tube refusal occurs above location of probe rod refusal, and use of larger diameter aluminum pipe recommended by CELRP-Reilly to compare manual refusal depths - need to assure required depth of sampling achieved.
- Completed transects 83, 84, 85, 86, 87.
- Contacted by Kim Mascarella and Carmen Rozzi regarding press release and media interest in covering field sampling.
- Met w/persons from two television stations in Youngstown along river.
- Arranged for access to Bridge Street Dam pool via railroad owned property in Struthers.

Daily Chemical Quality Control Report (DCQCR)
6-19-03, Thursday

- Overcast w/light rain. High temperature of 67 degrees Fahrenheit.
- Completed transects 77, 78, 79, 80, 81 and 82.
- Arranged for access to transect 59 - 62 via B&O Station Restaurant property.

Daily Chemical Quality Control Report (DCQCR)

6-20-03, Friday

- Partly cloudy. High temperature of 65 degrees Fahrenheit.
- Completed transects 63,64,65,66,67,68,69, and 70.
- Collected rinse blank #3 from new lexan tube.

Daily Chemical Quality Control Report (DCQCR)

6-21-03, Saturday

- Light rain. High temperature of 66 degrees Fahrenheit.
- Completed transects 52, 53, 54, 55, 56, 57, and 58.
- Collected rinse blank #4 from new lexan tube.

Daily Chemical Quality Control Report (DCQCR)

6-22-03, Sunday

- Sunny, high temperature of 80 degrees Fahrenheit.
- Completed transects 59, 60, 61 and 62.
- Very steep banks to put in boats. Both crews work on short stretch of river due to restricted access (local business allowed us to use their property because they were closed on Sunday).
- Collect rinse blank #5 from new lexan tube.
-

Daily Chemical Quality Control Report (DCQCR)

6-23-03, Monday

- Partly cloudy, high temperature of 84 degrees Fahrenheit.
- Split crews. One crew completed transects 71, 72, 73, and 74. Other crew began re-sampling effort and completed transects 1, 2, 3, and 4.
- Drop off 11 coolers (maintained on ice throughout weekend because fed-ex not open) for shipment.
- Note: Mike Saffran chose sample locations that need re-sampling based on completeness of boring logs, and sample intervals (if a sample interval overlapped a sediment horizon, then sample was re-collected).

Daily Chemical Quality Control Report (DCQCR)

6-24-03, Tuesday

- Morning fog, afternoon sun, high temperature 87 degrees Fahrenheit.
- Complete re-sampling transects 5,6,7,8,9,11,13,14,15,16,18.
- Collect rinse blank #6 from new lexan tube.
- Drop off 3 coolers at Fed-ex for sample shipment.

Daily Chemical Quality Control Report (DCQCR)

6-25-03, Wednesday

- Sunny, high temperature of 87 degrees Fahrenheit.
- Complete re-sampling of transects 51,50,49,48,47,46,45,44,43 and 42.
- Collect rinse blank #7 from new lexan tube.
- Drop off 3 coolers at fed ex for delivery.
- Discovered that some sample collected during the initial sampling period may be in excess of their hold times. Modified re-sampling protocol to include all sample locations that a sample was collected for chemical analysis. GPL laboratories is working on putting together a list of the samples that are in exceedence.

Daily Chemical Quality Control Report (DCQCR)
6-26-03, Thursday

- Sunny, high temperature of 87 degrees Fahrenheit.
- Complete re-sampling of transects 36,37,38,39,40,41 and 44.
- CELRP representatives Rose Reilly and Patience Nwanna visited site to observe sampling methods.
- Prior to visit, sample location elevations above normal pool were being estimated. Rose requested that elevations be determined through using a hand level and HI rod. CELRP lent Altech one hand level and HI rod.
- Drop off 4 cooler at Fed-Ex for delivery.
- Collect rinse blank #8 from new lexan tube.

Daily Chemical Quality Control Report (DCQCR)
6-27-03, Friday

- Light showers, high temperature 75 degrees Fahrenheit.
- One Coleman sample crew demobilized from site. One Altech sample crew also demobilized.
- Complete re-sampling transects 31,32,33,34 and 35.
- Collect rinse blank #8 from new lexan tube.
- Drop off 3 coolers at Fed-Ex for delivery.
- Use aluminum sampler provided by CELRP to check recovery against lexan tube at location 31F. Refusal at same depths and recoveries with both methods were 50%.

Daily Chemical Quality Control Report (DCQCR)

6-28-03, Saturday

- Partly cloudy, high temperature 80 degrees Fahrenheit.
- Complete re-sampling transects 27, 28, 29, 30 and 31.
- Collect rinse blank #9 from new lexan tube.

Daily Chemical Quality Control Report (DCQCR)
6-29-03, Sunday

- Light rain, high temperature 80 degrees Fahrenheit.
- Complete re-sampling transects 14, 15, 19, 22, 23, and 24 (14 and 15 re-re-sampled due to potential sample hold time exceedance.
- Collect rinse blank #10 from new lexan tube.
- Sampling complete.

Daily Chemical Quality Control Report (DCQCR)
6-30-03, Monday

- Sunny, high temperature 80 degrees Fahrenheit.
- Drop off 6 coolers at Fed-Ex with samples collected from 6/27/03. Samples were kept on ice throughout weekend.
- Altech demobilized back to Southfield office, Coleman demobilized back to Iron Mountain.